



MINIATURE TYPE

GENERAL	DATA		•
Electrical:			
Filament, Coated:			
	Series*	Parallel**	
Voltage	2.8	1.4	volts
	0.05	0.1	amp
Direct Interelectrode Capacitano			can p
Grid No.1 to plate			μμf
			μ.
Grid No.1 to filament (mid-taggrid No.3, and grid No.2	), w	5.5	$\mu\mu$ f
Plate to filament (mid-tap) &		0.0	μ
grid No.3, and grid No.2.		3.8	μμf
	• • • •	<b>).</b> 0	1
Mechanical:			
Mounting Position			• Any
Maximum Overall Length			2–1/8"
Maximum Seated Length			1–7/8"
Maximum Seated Length Length, Base Seat to Bulb Top (E	excluding t	ip). 1-1/2"	± 3/32"
Maximum Diameter			• 3/4"
Bulb			T-5-1/2
Base Small-Button Mi	niature 7-	Pin (JETEC N	o.E7-1)
Basing Designation for BOTTOM	VIEW		6BX
Pin 1 - Filament	O Dia	5 - Filamen	+
(-series)		3 - Filamen	L
Pin 2 - Plate	(1) <b>(6</b> )	Mid-Tap (-paral	1.11
Pin 3 - Grid No.2	$\mathcal{Y}_{\mathbf{L}}$	Grid No	
Pin 4 – No Connec-	<b>沙</b>	6 - Grid No	• >
tion-Do Not Use	· Pic	7 - Filamen	+ (+)
		/ - I I Tanell	,
AMPLIFIER -	•		
Maximum Ratings, Design-Center I			
PLATE VOLTAGE		Parallel**	• .
COLD N. 2 (SCOPEN) VOLTACE	90 max	. 90 max.	voits
GRID-No.2 (SCREEN) VOLTAGE	90 max	. 90 max.	volts
TOTAL MAXIMUM—SIGNAL	- <b>4</b> 1		
CATHODE CURRENT	6 <b>™</b> max	. 12 max.	ma
TOTAL ZERO-SIGNAL CATHODE CURRENT	- #L		
CATHODE CORRENT	6™max	. 12 max.	ma
Typical Operation and Characteri	stics:		
	Series*	Parallel**	
Plate Voltage	90	85 90	volts
Grid-No.2 Völtage	90	85 90	volts
O Without external shield.			
# For each 1.4-volt filament section.	For series	operation of	the sec-
tions a shunting resistor must be	connected acr	ass the section	hetween
pins No.1 and No.5 to bypass any rated maximum per section. When arrangement contribute to the filame	cathode cur other tube	rent in excess s in series f	ilament
arrangement contribute to the filame	nt current of	the 3V4, an ad	ditional
shunting resistor may be required b	etween pins i	10.1 and NO.7.	
*,**: See next page.		<b>→</b> Indicates	a ab





## POWER PENTODE

Series*   Parallel**	
Series   Farallel"	į
Grid-No.1 (Control-Grid) Voltage4.5 Peak AF Grid-No.1	volts
Voltage.       4.5         Zero-Sig. Plate Current.       7.7         Zero-Sig. Grid-No.2 Current.       1.7         Plate Resistance (Approx.)       0.12	volts ma ma negohm µmhos ohms % mw
→ Maximum Circuit Values (For maximum rated conditions):	^
	egohms egohms
→ Typical Operation with Single Filament Section:	i
Filament Voltage       1.4         Filament Current       0.05         Plate Voltage       90         Grid-No.2 Voltage       90         Grid-No.1 Voltage       -4.5         Peak AF Grid-No.1 Voltage       4.5         Zero-Signal Plate Current       4.8         Zero-Signai Grid-No.2 Current       1.1         Plate Resistance (Approx.)       0.2	volts amp volts volts volts volts ma ma negohm aumhos ohms mw
Maximum Circuit Values (For maximum rated conditions):	
I '	egohms egohms
* Filament voltage applied across the two sections in series between No.1 and No.7. Grid-No.1 voltage is referred to pin No.1.  ** Filament voltage applied across the two sections in parallel be pin No.5 and pins No.1 and No.7 connected together. Grid-No.1 voltage referred to the beautiful No.5 and pins No.1 and No.7 connected together.	' j
is referred to pin No.5.  Either filament section may be operated singly with the other s floating. It is to be noted, however, that such operation may the emission capabilities of the unused section. Although in subsoperation the unused section may be operated in series with the section, it should not be operated singly.	section impair sequent
Curves shown under Type 3Q4 also apply to the 3V4	
→Indicates a ch	nange.